

FIG. 1

BASE STATION 1

TPC COMMAND

COMMUNICATION TERMINAL

5 BASE STATION 2

FIG. 2

BASE STATION 1

TPC COMMAND (UP)

10 TPC COMMAND (DOWN)

COMMUNICATION TERMINAL

BASE STATION 2

FIG. 3

15 BASE STATION 1

TPC COMMAND (DOWN)

TPC COMMAND (DOWN)

COMMUNICATION TERMINAL

BASE STATION 2

20

FIG. 4

42 TRANSMISSION RADIO SECTION

40 SPREADING SECTION

38 MODULATION SECTION

25 36 CODING SECTION

TRANSMISSION DATA

34 OFFSET EXTRACTION SECTION

26 TPC COMMAND GENERATION SECTION  
24 SIR MEASUREMENT SECTION  
14 RECEPTION RADIO SECTION  
16 DESPREADING SECTION  
5 18 DEMODULATION SECTION  
20 DECODING SECTION  
RECEPTION DATA  
22 TPC COMMAND EXTRACTION SECTION  
30 HO JUDGMENT SECTION  
10 28 PILOT MEASUREMENT SECTION  
32 OFFSET CALCULATION SECTION

FIG. 5

RECEPTION POWER  
15 REQUIRED OFFSET AMOUNT  
TIME

FIG. 6

80 TRANSMISSION RADIO SECTION  
20 78 SPREADING SECTION  
76 MODULATION SECTION  
74 CODING SECTION  
TRANSMISSION DATA  
72 OFFSET CALCULATION SECTION  
25 68 OFFSET EXTRACTION SECTION  
66 TPC COMMAND GENERATION SECTION  
64 SIR MEASUREMENT SECTION

70 HO JUDGMENT SECTION

HO INFORMATION

54 RECEPTION RADIO SECTION

56 DESPREADING SECTION

5 58 DEMODULATION SECTION

60 DECODING SECTION

RECEPTION DATA

62 TPC COMMAND EXTRACTION SECTION

10 FIG. 7

RECEIVED SIR

TARGET SIR

REQUIRED OFFSET AMOUNT

SHO START

15 TIME

FIG. 8

BASE STATION 1

TPC COMMAND (UP)

20 TPC COMMAND (DOWN)

COMMUNICATION TERMINAL

BASE STATION 2

OFFSET  $\Delta P_{up}$

25 FIG. 9

BASE STATION 1

TPC COMMAND (DOWN)

TPC COMMAND (DOWN)

COMMUNICATION TERMINAL

BASE STATION 2

OFFSET  $\Delta P_{down}$

5

FIG. 10

BASE STATION TRANSMISSION

SHO START

SHO STATE

10 SHO END

HS-DPCCH (DLINK)

A-DPCH (DLINK)

1 TIME SLOT

TIME

15 TIME

COMMUNICATION TERMINAL TRANSMISSION

HS-DPCCH (UPLINK)

A-DPCH (UPLINK)

TIME

20 TIME

DATA SEGMENT

PILOT

TPC COMMAND

OFFSET

25